

RAW SEQUENCE LISTING

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Application Serial Number: 10/621,807
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RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/621,807

TIME: 14:06:41

Input Set : F:\D0250 NP Sequence Listing.ST25-1.txt

Output Set: N:\CRF4\06192006\J621807.raw

3 <110> APPLICANT: Doweyko, Arthur M.P.
 4 Nadler, Steven G.
 6 <120> TITLE OF INVENTION: Compositions and Methods Involving Nuclear Hormone Receptor
 Site
 7 II
 9 <130> FILE REFERENCE: D0250 NP
 11 <140> CURRENT APPLICATION NUMBER: 10/621,807
 12 <141> CURRENT FILING DATE: 2003-07-17
 14 <150> PRIOR APPLICATION NUMBER: 60/396,907
 15 <151> PRIOR FILING DATE: 2002-07-18
 17 <160> NUMBER OF SEQ ID NOS: 21
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 255
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
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 29 1 5 10 15
 32 Ile Glu Pro Glu Val Leu Tyr Ala Gly Tyr Asp Ser Ser Val Pro Asp
 33 20 25 30
 36 Ser Thr Trp Arg Ile Met Thr Thr Leu Asn Met Leu Gly Gly Arg Gln
 37 35 40 45
 40 Val Ile Ala Ala Val Lys Trp Ala Lys Ala Ile Pro Gly Phe Arg Asn
 41 50 55 60
 44 Leu His Leu Asp Asp Gln Met Thr Leu Leu Gln Tyr Ser Trp Met Phe
 45 65 70 75 80
 48 Leu Met Ala Phe Ala Leu Gly Trp Arg Ser Tyr Arg Gln Ser Ser Ala
 49 85 90 95
 52 Asn Leu Leu Cys Phe Ala Pro Asp Leu Ile Ile Asn Glu Gln Arg Met
 53 100 105 110
 56 Thr Leu Pro Cys Met Tyr Asp Gln Cys Lys His Met Leu Tyr Val Ser
 57 115 120 125
 60 Ser Glu Leu His Arg Leu Gln Val Ser Tyr Glu Glu Tyr Leu Cys Met
 61 130 135 140
 64 Lys Thr Leu Leu Leu Leu Ser Ser Val Pro Lys Asp Gly Leu Lys Ser
 65 145 150 155 160
 68 Gln Glu Leu Phe Asp Glu Ile Arg Met Thr Tyr Ile Lys Glu Leu Gly
 69 165 170 175
 72 Lys Ala Ile Val Lys Arg Glu Gly Asn Ser Ser Gln Asn Trp Gln Arg
 73 180 185 190
 76 Phe Tyr Gln Leu Thr Lys Leu Leu Asp Ser Met His Glu Val Val Glu
 77 195 200 205
 80 Asn Leu Leu Asn Tyr Cys Phe Gln Thr Phe Leu Asp Lys Thr Met Ser

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81      210      215      220
84 Ile Glu Phe Pro Glu Met Leu Ala Glu Ile Ile Thr Asn Gln Ile Pro
85 225      230      235      240
88 Lys Tyr Ser Asn Gly Asn Ile Lys Lys Leu Leu Phe His Gln Lys
89      245      250      255
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 251
94 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
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99 Gln Leu Ile Pro Pro Leu Ile Asn Leu Leu Met Ser Ile Glu Pro Asp
100 1      5      10      15
103 Val Ile Tyr Ala Gly His Asp Asn Thr Lys Pro Asp Thr Ser Ser Ser
104      20      25      30
107 Leu Leu Thr Ser Leu Asn Gln Leu Gly Glu Arg Gln Leu Ser Val
108      35      40      45
111 Val Lys Trp Ser Lys Ser Leu Pro Gly Phe Arg Asn Leu His Ile Asp
112      50      55      60
115 Asp Gln Ile Thr Leu Ile Gln Tyr Ser Trp Met Ser Leu Met Val Phe
116 65      70      75      80
119 Gly Leu Gly Trp Arg Ser Tyr Lys His Val Ser Gly Gln Met Leu Tyr
120      85      90      95
123 Phe Ala Pro Asp Leu Ile Leu Asn Glu Gln Arg Met Lys Glu Ser Ser
124      100      105      110
127 Phe Tyr Ser Leu Cys Leu Thr Met Trp Gln Ile Pro Gln Glu Phe Val
128      115      120      125
131 Lys Leu Gln Val Ser Gln Glu Glu Phe Leu Cys Met Lys Val Leu Leu
132      130      135      140
135 Leu Leu Asn Thr Ile Pro Leu Glu Gly Leu Arg Ser Gln Thr Gln Phe
136 145      150      155      160
139 Glu Glu Met Arg Ser Ser Tyr Ile Arg Glu Leu Ile Lys Ala Ile Gly
140      165      170      175
143 Leu Arg Gln Lys Gly Val Val Ser Ser Gln Arg Phe Tyr Gln Leu
144      180      185      190
147 Thr Lys Leu Leu Asp Asn Leu His Asp Leu Val Lys Gln Leu His Leu
148      195      200      205
151 Tyr Cys Leu Asn Thr Phe Ile Gln Ser Arg Ala Leu Ser Val Glu Phe
152      210      215      220
155 Pro Glu Met Met Ser Glu Val Ile Ala Ala Gln Leu Pro Lys Ile Leu
156 225      230      235      240
159 Ala Gly Met Val Lys Pro Leu Leu Phe His Lys
160      245      250
163 <210> SEQ ID NO: 3
164 <211> LENGTH: 238
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 3
170 Ser Ala Asn Glu Asp Met Pro Val Glu Arg Ile Leu Glu Ala Glu Leu
171 1      5      10      15

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174 Ala Val Glu Pro Lys Thr Glu Thr Tyr Val Glu Ala Asn Met Gly Leu
175      20      25      30
178 Asn Pro Ser Ser Pro Asn Asp Pro Val Thr Asn Ile Cys Gln Ala Ala
179      35      40      45
182 Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys Arg Ile Pro His
183      50      55      60
186 Phe Ser Glu Leu Pro Leu Asp Asp Gln Val Ile Leu Leu Arg Ala Gly
187 65      70      75      80
190 Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser His Arg Ser Ile Ala Val
191      85      90      95
194 Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu His Val His Arg Asn Ser
195      100     105     110
198 Ala His Ser Ala Gly Val Gly Ala Ile Phe Asp Arg Val Leu Thr Glu
199      115     120     125
202 Leu Val Ser Lys Met Arg Asp Met Gln Met Asp Lys Thr Glu Leu Gly
203      130     135     140
206 Cys Leu Arg Ala Ile Val Leu Phe Asn Pro Asp Ser Lys Gly Leu Ser
207 145     150     155     160
210 Asn Pro Ala Glu Val Glu Ala Leu Arg Glu Lys Val Tyr Ala Ser Leu
211      165     170     175
214 Glu Ala Tyr Cys Lys His Lys Tyr Pro Glu Gln Pro Gly Arg Phe Ala
215      180     185     190
218 Lys Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile Gly Leu Lys Cys
219      195     200     205
222 Leu Glu His Leu Phe Phe Phe Lys Leu Ile Gly Asp Thr Pro Ile Asp
223      210     215     220
226 Thr Phe Leu Met Glu Met Leu Glu Ala Pro His Gln Met Thr
227 225     230     235
230 <210> SEQ ID NO: 4
231 <211> LENGTH: 238
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 4
237 Leu Ser Pro Gln Leu Glu Glu Leu Ile Thr Lys Val Ser Lys Ala His
238 1      5      10      15
241 Gln Glu Thr Phe Pro Ser Leu Cys Gln Leu Gly Lys Tyr Thr Thr Asn
242      20      25      30
245 Ser Ser Ala Asp His Arg Val Gln Leu Asp Leu Gly Leu Trp Asp Lys
246      35      40      45
249 Phe Ser Glu Leu Ala Thr Lys Cys Ile Ile Lys Ile Val Glu Phe Ala
250      50      55      60
253 Lys Arg Leu Pro Gly Phe Thr Gly Leu Ser Ile Ala Asp Gln Ile Thr
254 65      70      75      80
257 Leu Leu Lys Ala Ala Cys Leu Asp Ile Leu Met Leu Arg Ile Cys Thr
258      85      90      95
261 Arg Tyr Thr Pro Glu Gln Asp Thr Met Thr Phe Ser Asp Gly Leu Thr
262      100     105     110
265 Leu Asn Arg Thr Gln Met His Asn Ala Gly Phe Gly Pro Leu Thr Asp
266      115     120     125

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269 Leu Val Phe Ala Phe Ala Gly Gln Leu Leu Pro Leu Glu Met Asp Asp
270      130      135      140
273 Thr Glu Thr Gly Leu Leu Ser Ala Ile Cys Leu Ile Cys Gly Asp Arg
274 145      150      155      160
277 Met Asp Leu Glu Glu Pro Glu Lys Val Asp Lys Leu Gln Glu Pro Leu
278      165      170      175
281 Leu Glu Ala Leu Arg Leu Tyr Ala Arg Arg Arg Arg Pro Ser Gln Pro
282      180      185      190
285 Tyr Met Phe Pro Arg Met Leu Met Lys Ile Thr Asp Leu Arg Gly Ile
286      195      200      205
289 Ser Thr Lys Gly Ala Glu Arg Ala Ile Thr Leu Lys Met Glu Ile Pro
290      210      215      220
293 Gly Pro Met Pro Pro Leu Ile Arg Glu Met Leu Glu Asn Pro
294 225      230      235
297 <210> SEQ ID NO: 5
298 <211> LENGTH: 251
299 <212> TYPE: PRT
300 <213> ORGANISM: Homo sapiens
302 <400> SEQUENCE: 5
304 Gln Leu Ile Pro Pro Leu Ile Asn Leu Leu Met Ser Ile Glu Pro Asp
305 1      5      10      15
308 Val Ile Tyr Ala Gly His Asp Asn Thr Lys Pro Asp Thr Ser Ser Ser
309      20      25      30
312 Leu Leu Thr Ser Leu Asn Gln Leu Gly Glu Arg Gln Leu Leu Ser Val
313      35      40      45
316 Val Lys Trp Ser Lys Ser Leu Pro Gly Phe Arg Asn Leu His Ile Asp
317      50      55      60
320 Asp Gln Ile Thr Leu Ile Gln Tyr Ser Trp Met Ser Leu Met Val Phe
321 65      70      75      80
324 Gly Leu Gly Trp Arg Ser Tyr Lys His Val Ser Gly Gln Met Leu Tyr
325      85      90      95
328 Phe Ala Pro Asp Leu Ile Leu Asn Glu Gln Arg Met Lys Glu Ser Ser
329      100      105      110
332 Phe Tyr Ser Leu Cys Leu Thr Met Trp Gln Ile Pro Gln Glu Phe Val
333      115      120      125
336 Lys Leu Gln Val Ser Gln Glu Glu Phe Leu Cys Met Lys Val Leu Leu
337      130      135      140
340 Leu Leu Asn Thr Ile Pro Leu Glu Gly Leu Arg Ser Gln Thr Gln Phe
341 145      150      155      160
344 Glu Glu Met Arg Ser Ser Tyr Ile Arg Glu Leu Ile Lys Ala Ile Gly
345      165      170      175
348 Leu Arg Gln Lys Gly Val Val Ser Ser Ser Gln Arg Phe Tyr Gln Leu
349      180      185      190
352 Thr Lys Leu Leu Asp Asn Leu His Asp Leu Val Lys Gln Leu His Leu
353      195      200      205
356 Tyr Cys Leu Asn Thr Phe Ile Gln Ser Arg Ala Leu Ser Val Glu Phe
357      210      215      220
360 Pro Glu Met Met Ser Glu Val Ile Ala Ala Gln Leu Pro Lys Ile Leu
361 225      230      235      240

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364 Ala Gly Met Val Lys Pro Leu Leu Phe His Lys
365          245          250
368 <210> SEQ ID NO: 6
369 <211> LENGTH: 250
370 <212> TYPE: PRT
371 <213> ORGANISM: Homo sapiens
373 <400> SEQUENCE: 6
375 Cys Gln Pro Ile Phe Leu Asn Val Leu Glu Ala Ile Glu Pro Gly Val
376 1          5          10          15
379 Val Cys Ala Gly His Asp Asn Asn Gln Pro Asp Ser Phe Ala Ala Leu
380          20          25          30
383 Leu Ser Ser Leu Asn Glu Leu Gly Glu Arg Gln Leu Val His Val Val
384          35          40          45
387 Lys Trp Ala Lys Ala Leu Pro Gly Phe Arg Asn Leu His Val Asp Asp
388          50          55          60
391 Gln Met Ala Val Ile Gln Tyr Ser Trp Met Gly Leu Met Val Phe Ala
392 65          70          75          80
395 Met Gly Trp Arg Ser Phe Thr Asn Val Asn Ser Arg Met Leu Tyr Phe
396          85          90          95
399 Ala Pro Asp Leu Val Phe Asn Glu Tyr Arg Met His Lys Ser Arg Met
400          100         105         110
403 Tyr Ser Gln Cys Val Arg Met Arg His Leu Ser Gln Glu Phe Gly Trp
404          115         120         125
407 Leu Gln Ile Thr Pro Gln Glu Phe Leu Cys Met Lys Ala Leu Leu Leu
408          130         135         140
411 Phe Ser Ile Ile Pro Val Asp Gly Leu Lys Asn Gln Lys Phe Phe Asp
412 145         150         155         160
415 Glu Leu Arg Met Asn Tyr Ile Lys Glu Leu Asp Arg Ile Ile Ala Cys
416          165         170         175
419 Lys Arg Lys Asn Pro Thr Ser Cys Ser Arg Arg Phe Tyr Gln Leu Thr
420          180         185         190
423 Lys Leu Leu Asp Ser Val Gln Pro Ile Ala Arg Glu Leu His Gln Phe
424          195         200         205
427 Thr Phe Asp Leu Leu Ile Lys Ser His Met Val Ser Val Asp Phe Pro
428          210         215         220
431 Glu Met Met Ala Glu Ile Ile Ser Val Gln Val Pro Lys Ile Leu Ser
432 225         230         235         240
435 Gly Lys Val Lys Pro Ile Tyr Phe His Thr
436          245         250
439 <210> SEQ ID NO: 7
440 <211> LENGTH: 240
441 <212> TYPE: PRT
442 <213> ORGANISM: Homo sapiens
444 <400> SEQUENCE: 7
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447 1          5          10          15
450 Asp Ala Glu Pro Pro Ile Leu Tyr Ser Glu Tyr Asp Pro Thr Arg Pro
451          20          25          30
454 Phe Ser Glu Ala Ser Met Met Gly Leu Leu Thr Asn Leu Ala Asp Arg

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/621,807

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